Brett J. Doleman, et al. Application No.: 09/293,669

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--METHOD FOR VALIDATING THAT THE DETECTION ABILITY OF A SENSOR ARRAY MIMICS A HUMAN NOSE DETECTION ABILITY--

IN THE CLAIMS:

Please cancel claims 2-8 and 16 without prejudice or disclaimer.

Please amend claim 9 as follows:

- 9. (Amended) A method for validating that a sensor array detection ability mimics a human nose detection ability, the method comprising:
- (a) contacting said sensor array with a constant fraction of a known vapor pressure of a first odorant to produce a first response intensity;
- (b) contacting said sensor array with a constant fraction of a known vapor pressure of a second odorant to produce a second response intensity;
- (c) comparing said first response intensity to said second response intensity; and
- (d) determining whether said response intensities are similar, thereby validating that said sensor array response detection ability mimics said human nose detection ability.

Please add new claim 17

- -17. (New) A method for validating that a sensor array detection ability mimics a human nose detection ability, the method comprising:
- (a) contacting said sensor array with a first odorant with a first vapor pressure to produce a first response intensity;
- (b) contacting said sensor array with a second odorant with a vapor pressure lower than said first vapor pressure to produce a second response intensity;
- (c) comparing said first response intensity to said second response intensity; and